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...Spectrometers Anal. Chem. 69 , 2525-2529 (1997). M. R. Asam G. L. Glish Tandem Mass Spectrometry of Alkali **Cationized Polysaccharides** in a Quadrupole Ion Trap J. Amer. Soc. Mass Spectrom. 8 , 987 (1997). R. W. Vachet B. M. Bishop B. W. Erickson...  
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- ☐ 2. Tandem Mass Spectrometry of Alkali Cationized Polysaccharides in a Quadrupole Ion Trap - Techniques and Applications of...  
**Asam, M.R. / Glish, G.L. , Journal of the American Society for Mass Spectrometry, 8 (9), p.987-995, Sep 1997**  
Tandem Mass Spectrometry of Alkali **Cationized Polysaccharides** in a Quadrupole Ion Trap Michael R. Asam...mass spectrometry (MS,/MS) [7] of lithium **cationized polysaccharides** to direct fragmenta- tions under low-energy...  
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- ☐ 3. A model of flocculation  
**Brostow, W. / Pal, S. / Singh, R.P. , Materials Letters, 61 (22), p.4381-4384, Sep 2007**  
...demonstrated in the laboratory of one of us that **cationized polysaccharides** have higher flocculation efficacy than the...flocculation efficacy, we have investigated several **cationized polysaccharides** - all with higher efficacies than the uncationized...  
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- ☐ 4. Study on the oligosaccharides composition of the water-soluble fraction of marine mucilage by electrospray tandem mass...  
**Cappiello, A. / Trufelli, H. / Famiglioni, G. / Pierini, E. / Capellacci, S. / Penna, A. / Ricci, F. / (...) / Penna, N. , Water Research, 41 (13), p.2911-2920, Jul 2007**  
...Chim. Acta 529 2005 129 136 Asam and Glish, 1997 M.R. Asam G.L. Glish Tandem mass spectrometry of alkali **cationized polysaccharides** in a quadrupole ion trap J. Am. Soc. Mass Spectrom. 8 1997 987 995 Azam et al., 1999 F. Azam S. Fonda Umani...  
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- ☐ 5. DETERGENT COMPOSITION  
**YAMAGUCHI, JUNSHI (KANEBO COSMETICS INC), PATENT ABSTRACTS OF JAPAN, Sep 2005**  
patno:JP2005239558  
...over a long period. SOLUTION: This detergent composition is characterized as comprising (A) a methacrylpropyltrimethylammonium-derived polymer, (B) a dimethyldiallylammonium-derived polymer, (C) **cationized polysaccharides** and (D) a surfactant.  
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**YAMADA, KEN / HAYASHI, TSUYOSHI (SHISEIDO CO LTD), PATENT ABSTRACTS OF JAPAN**, Sep 2005  
patno:JP2005232140  
...polymerization, (b)  $\geq 2$  kinds of cationized water soluble polymers (preferably containing  $\geq 2$  kinds of any of **cationized polysaccharides**, especially cationized guar gum, cationized locust bean gum and cationized hydroxyethylcellulose) and (c...  
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- ☐ **7. [Use of a Double Resonance Electron Capture Dissociation Experiment to Probe Fragment Intermediate Lifetimes](#)**  
**Lin, C. / Cournoyer, J.J. / O'Connor, P.B.**, *Journal of the American Society for Mass Spectrometry*, 17 (11), p.1605-1615, Nov 2006  
The relative abundances of fragment ions in electron capture dissociation (ECD) are often greatly affected by the secondary and tertiary structures of the precursor ion, and have been used to derive the gas-phase conformations of the...  
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*Journal of the American Society for Mass Spectrometry*, 16 (12), p.515-646, Dec 2005  
See Atmospheric pressure; High performance liquid chromatography/atmospheric pressure microwave-induced plasma ionization MS. AP MALDI.  
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- ☐ **9. [Cumulative Author Index](#)**  
*Journal of the American Society for Mass Spectrometry*, 16 (12), p.433-514, Dec 2005  
...Kinetics of a Transient Intermediate, 10:119 Asano, M.R., Glish, G.L.: Tandem Mass Spectrometry of Alkali **Cationized Polysaccharides** in a Quadrupole Ion Trap, 8:897 Asano, A.F. See Glish, G.L. Asano, K.G. See Van Berkel, G.J. Asara, J.M...  
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- ☐ **10. [Determination of the glycosylation site of flavonoid monoglucosides by metal complexation and tandem mass spectrometry](#)**  
**Davis, B.D. / Brodbelt, J.S.**, *Journal of the American Society for Mass Spectrometry*, 15 (9), p.1287-1299, Sep 2004  
Metal complexation and tandem mass spectrometry were used to differentiate C- and O-bonded flavonoid monoglucoside isomers. Electrospray ionization of solutions containing a flavonoid glycoside and a metal salt led to the generation of...  
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- ☐ **11. [Gas-phase dissociation pathways of multiply charged peptide clusters](#)**  
**Jurchen, J.C. / Garcia, D.E. / Williams, E.R.**, *Journal of the American Society for Mass Spectrometry*, 14 (12), p.1373-1386, Dec 2003  
Numerous studies of cluster formation and dissociation have been conducted to determine properties of matter in the transition from the condensed phase to the gas phase using materials as diverse as atomic nuclei, noble gases, metal...

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**DAHANAYAKE, Manilal S. / KESAVAN, Subramanian / COLACO, Allwyn (RHODIA INC.),** *PATENT COOPERATION TREATY APPLICATION*, May 2007  
patno:WO07058814  
...the guar structure must be sufficient to provide the requisite cationic charge density. Examples of such **cationized polysaccharides** include, but are not restricted to polysaccharides and polysaccharide derivatives selected from the group...  
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- ☐ **13. Application of self-ionization for enhancing stereochemical and positional effects from arylglycosides under electron...**  
**Da Silva, M.V. / Perlat, M.-C. / Tabet, J.-C. / Giorgi, G. / Salvini, L. / Ponticelli, F. ,** *Journal of the American Society for Mass Spectrometry*, 14 (8), p.851-861, Aug 2003  
  
Ion trap mass spectrometry has been used to structurally characterize and differentiate positional and stereo isomers of arylglycosides having potential antioxidant properties. The use of the self-ionization (SI) technique has allowed to...  
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- ☐ **14. Mass spectrometric study of some protonated and lithiated 2,5-disubstituted-1,3,4-oxadiazoles**  
**Franski, R. / Eitner, K. / Schroeder, G. / Szwajka, O.P. ,** *Journal of the American Society for Mass Spectrometry*, 14 (4), p.289-294, Apr 2003  
...appreciation of discussions with Dr. B. Gierczyk. 1 Asam M.R. Glish G.L. Tandem Mass Spectrometry of Alkali **Cationized Polysaccharides** in a Quadrupole Ion Trap J. Am. Soc. Mass Spectrom. 8 1997 987 995 2 Madhusudanan K.P. Bajpai L.K. Bhaduri...  
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- ☐ **15. A survey of recent research activity in quadrupole ion trap mass spectrometry <sup>1</sup>**  
**Hao, C. / March, R.E. ,** *International Journal of Mass Spectrometry*, 212 (1), p.337-357, Nov 2001  
...acids and esters have been reported also [87] . Studies on the dissociation of ions have included alkali **cationized polysaccharides** [88] , rearrangement of n -butylbenzene [89] , the estimation of critical energies for ion dissociation via...  
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- ☐ **16. HAIR BLEACH OR HAIR DYE**  
**MATSUO, Takashi / MIYABE, Hajime / SHIBATA, Yutaka (KAO CORPORATION),** *EUROPEAN PATENT*, Mar 2003  
patno:EP1291006  
...Carbide Corp.), and "Celquat H-100" and "Celquat L200" (products of National Starch and Chemical Company); **cationized polysaccharides** [as commercial products, "Jaguar C-13S", "Jaguar C-14S", "Jaguar C-17", "Jaguar C-162", "Jaguar C-210" and...  
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- ☐ 17. Quadrupole ion trap mass spectrometry: a view at the turn of the century  
**March, R.E.** , *International Journal of Mass Spectrometry*, 200 (1), p.285-312, Dec 2000

A personal account of the quadrupole ion trap researches carried out in my laboratory and in collaboration with other laboratories. This account commences with the announcement, in 1983, of the first commercially available ion trap...

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- ☐ 18. Structural Elucidation of Zwitterionic Sugar Cores from Glycosphingolipids by Nanoelectrospray Ionization-Ion-Trap Mass...

**Friedl, C.H. / Lochnit, G. / Geyer, R. / Karas, M. / Bahr, U.** , *Analytical Biochemistry*, 284 (2), p.279-287, Sep 2000

...chromatography Biomed. Chromatogr. 4 1990 193 199 24 Asam M. R. Glish G. L. Tandem mass spectrometry of alkali **cationized polysaccharides** in a quadrupole ion trap Am. Soc. Mass Spectrom. 8 1997 987 995 25 Domon B. Costello C. A systematic nomenclature...

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- ☐ 19. Cationic polysaccharide compositions

**Domb, Abraham J. (Polygene Ltd.)**, *EUROPEAN PATENT APPLICATION*, Jul 2002  
patno:EP1222926

...polycations have been reported to induce gene expression for example diethylaminoethyl dextran and other **cationized polysaccharides** [F.D. Ledley, Human Gene Therapy, 6, 1129, 1995; Yamaoka et al. Chemistry Letters, 1171-72, 1998]. These...

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- ☐ 20. Hair bleach

**Matsuo, Takashi / Miyabe, Hajime / Shibata, Yutaka (KAO Corporation)**, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Dec 2006

patno:US7147668

...Carbide Corp.), and "Celquat H-100" and "Celquat L200" (products of National Starch and Chemical Company); **cationized polysaccharides** [as commercial products, "Jaguar C-13S", "Jaguar C-14S", "Jaguar C-17", "Jaguar C-162", "Jaguar C-210" and...

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